

05-01-00

RENNER, KENNER, GREIVE, BOBAK, TAYLOR & WEBER

A LEGAL PROFESSIONAL ASSOCIATION
PATENT, TRADEMARK & COPYRIGHT PRACTICE
24500 CENTER RIDGE ROAD, SUITE 280
WESTLAKE, OHIO 44145

jc530 U.S. PTO
09/560469

TELEPHONE
(440) 808-0011
FACSIMILE
(440) 808-0657

OF COUNSEL
SYLVIA A. PETROSKY

TECHNICAL SPECIALIST
MARK WEBER
TAMA L. DRENSKI
AMY L. DELUCA

RETIRED
JACK L. RENNER

REESE TAYLOR
PHILLIP L. KENNER
EDWARD G. GREIVE
DONALD J. BOBAK
RAY L. WEBER
JOSEPH G. CURATOLO
RODNEY L. SKOGLUND
ANDREW B. MORTON
ARTHUR M. REGINELLI

LAURA J. GENTILCORE
SHANNON V. MCCUE
MICHAEL F. MORGAN
SALVATORE A. SIDOTI
JOHN J. CUNNIFF

Established 1917

April 28, 2000
Docket No. UNF-9058 A

BOX PATENT APPLICATION
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Sir:

Transmitted herewith for filing under 35 U.S.C. §111(a) and 37 C.F.R. §1.53(b) is the following patent application.

Express Mail No.: EL493656897US

Inventors: Joseph A. FERNANDO, John D. TEN EYCK, and Thomas S. LACKI

Title: SUPPORT ELEMENT FOR FRAGILE STRUCTURES SUCH AS CATALYTIC CONVERTERS

The present application is a continuation-in-part of copending U.S. Serial No. 09/038,243, filed March 11, 1998.

Certificate of Express Mailing

I hereby certify that this correspondence is being deposited on the date shown below with the United States Postal Service as Express Mail - Label No. EL493656897US - "Express Mail Post Office to Addressee" in an envelope with sufficient postage addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Laura A. Rafn
(type or print name of person signing paper)

Laura A. Rafn
(signature of person mailing paper)

4-28-00
(date)

The Assignee, Unifrax Corporation, is a small business concern as defined by Section 3 of the Small Business Act and by regulations established by the Small Business Administration and, thus, is entitled to claim Small Entity Status under 37 C.F.R. §1.9(d), for purposes of paying reduced fees. The Small Entity status of Unifrax Corporation is still proper and desired. A copy of the verified statement of small entity status, as filed in the prior copending application is transmitted herewith.

Enclosed:

Transmittal Letter with Certificate of Mailing and Authorization to Charge Deposit Account
(2 pages-in duplicate)

Utility Patent Application Transmittal (1 page)

Fee Transmittal (1 page-in duplicate)

Print EFS Bibliographic Data Sheet (2 pages)

Combined Declaration and Power of Attorney (3 pages)

Specification

27 Pages of Description

8 Pages of Claims

1 Page of Abstract

8 Drawing Sheets

Copy of the Verified Statement of Small Entity Status from the prior copending application
(2 pages)

Information Disclosure Statement (3 pages)

PTO Form 1449 (3 pages)

Copy of Response, Petition and Fee for Extension of Time filed in copending U.S. Serial No.
09/038,243 (3 pages)

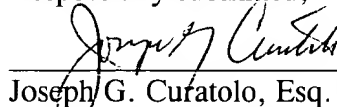
Check in the Amount of \$564.00

Return Receipt Postcard

Authorization to Charge Deposit Account

In the event a fee is applicable to the filing of these documents and the required fee is not enclosed, or the fee submitted is insufficient, the Commissioner is hereby authorized to charge any fees which might be required to effect the filing of this (these) document(s) to Account No. 18-0987. This authorization is being submitted in duplicate.

Respectfully submitted,



Joseph G. Curatolo, Esq. (Reg. No. 28,837)

Renner, Kenner, Greive, Bobak, Taylor & Weber

24500 Center Ridge Road, Suite 280

Westlake, Ohio 44145

Telephone: (440) 808-0011

Attorney for Applicants

4-28-2000

Date

04/28/00
jc714 U.S. PTO

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (4/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **UNF-9058 A**
First Inventor or Application Identifier **Joseph A. FERNANDO**
Title **Support Element for Fragile Structures Such as Catalytic Converters**
Express Mail Label No. **EL493656897US**

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **36**]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **8**]
4. Oath or Declaration [Total Pages **3**]
 - a. ☒ **Unexecuted** ~~Not executed~~ (original or copy)
 - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

* NOTE FOR ITEMS 1 & 13 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement of Power of Attorney (when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
13. ☒ * Small Entity Statement(s) ☒ Statement filed in prior application (PTO/SB/09-12) Status still proper and desired
14. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. ☒ Other: Print EFS Bibliographic Data Sheet, Check for \$453.00, Copy of Response filed in USSN 09/038,243

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No: **09/038,243**
Prior application information: Examiner **H. Tran** Group / Art Unit: **1764**

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name **Joseph G. Curatolo**
Renner, Kenner, Greive, Bobak, Taylor & Weber
Address **24500 Center Ridge Road, Suite 280**
City **Westlake** State **OH** Zip Code **44145**
Country **US** Telephone **(440) 808-0011** Fax **(440) 808-0657**

Name (Print/Type) **Joseph G. Curatolo** Registration No. (Attorney/Agent) **28,837**
Signature **Joseph G. Curatolo** Date **4-28-2000**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

EL493656897US

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 9/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 1999</h2> <p style="font-size: small; margin: 0;">Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.</p>		Complete if Known	
TOTAL AMOUNT OF PAYMENT (\$) 564.00		Application Number New CIP Application	Filing Date April 28, 2000
		First Named Inventor Joseph A. FERNANDO	Examiner Name H. Tran
		Group / Art Unit 1764	Attorney Docket No. UNF-9058 A

<h3 style="text-align: center; margin: 0;">METHOD OF PAYMENT (check one)</h3> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: 18-0987</p> <p>Deposit Account Name: Renner, Kenner et al</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other </p> <h3 style="text-align: center; margin: 0;">FEE CALCULATION</h3> <div style="border: 1px solid black; padding: 5px;"> <h4>1. BASIC FILING FEE</h4> <table style="width: 100%; font-size: small;"> <thead> <tr> <th>Large Entity Code (\$)</th> <th>Small Entity Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101 760</td><td>201 380</td><td>Utility filing fee</td><td>345.00</td></tr> <tr><td>106 310</td><td>206 155</td><td>Design filing fee</td><td></td></tr> <tr><td>107 480</td><td>207 240</td><td>Plant filing fee</td><td></td></tr> <tr><td>108 760</td><td>208 380</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114 150</td><td>214 75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (1)</td><td>(\$) 345.00</td></tr> </tbody> </table> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <h4>2. EXTRA CLAIM FEES</h4> <table style="width: 100%; font-size: small;"> <thead> <tr> <th>Large Entity Code (\$)</th> <th>Small Entity Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103 18</td><td>203 9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102 78</td><td>202 39</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104 260</td><td>204 130</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109 78</td><td>209 39</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110 18</td><td>210 9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (2)</td><td>(\$) 219.00</td></tr> </tbody> </table> </div>	Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid	101 760	201 380	Utility filing fee	345.00	106 310	206 155	Design filing fee		107 480	207 240	Plant filing fee		108 760	208 380	Reissue filing fee		114 150	214 75	Provisional filing fee		SUBTOTAL (1)			(\$) 345.00	Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid	103 18	203 9	Claims in excess of 20		102 78	202 39	Independent claims in excess of 3		104 260	204 130	Multiple dependent claim, if not paid		109 78	209 39	** Reissue independent claims over original patent		110 18	210 9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)			(\$) 219.00	<h3 style="text-align: center; margin: 0;">FEE CALCULATION (continued)</h3> <div style="border: 1px solid black; padding: 5px;"> <h4>3. ADDITIONAL FEES</h4> <table style="width: 100%; font-size: small;"> <thead> <tr> <th>Large Entity Code (\$)</th> <th>Small Entity Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td>0.00</td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>0.00</td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td>0.00</td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td>0.00</td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>0.00</td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>0.00</td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td>0.00</td></tr> <tr><td>116 380</td><td>216 190</td><td>Extension for reply within second month</td><td>0.00</td></tr> <tr><td>117 870</td><td>217 435</td><td>Extension for reply within third month</td><td>0.00</td></tr> <tr><td>118 1,360</td><td>218 680</td><td>Extension for reply within fourth month</td><td>0.00</td></tr> <tr><td>128 1,850</td><td>228 925</td><td>Extension for reply within fifth month</td><td>0.00</td></tr> <tr><td>119 300</td><td>219 150</td><td>Notice of Appeal</td><td>0.00</td></tr> <tr><td>120 300</td><td>220 150</td><td>Filing a brief in support of an appeal</td><td>0.00</td></tr> <tr><td>121 260</td><td>221 130</td><td>Request for oral hearing</td><td>0.00</td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td>0.00</td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td>0.00</td></tr> <tr><td>141 1,210</td><td>241 605</td><td>Petition to revive - unintentional</td><td>0.00</td></tr> <tr><td>142 1,210</td><td>242 605</td><td>Utility issue fee (or reissue)</td><td>0.00</td></tr> <tr><td>143 430</td><td>243 215</td><td>Design issue fee</td><td>0.00</td></tr> <tr><td>144 580</td><td>244 290</td><td>Plant issue fee</td><td>0.00</td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td>0.00</td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td>0.00</td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Stmt</td><td>0.00</td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>0.00</td></tr> <tr><td>146 760</td><td>246 380</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>0.00</td></tr> <tr><td>149 760</td><td>249 380</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td>0.00</td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td>0.00</td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td>0.00</td></tr> <tr><td colspan="3">SUBTOTAL (3)</td><td>(\$) 0.00</td></tr> </tbody> </table> </div>	Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath	0.00	127 50	227 25	Surcharge - late provisional filing fee or cover sheet	0.00	139 130	139 130	Non-English specification	0.00	147 2,520	147 2,520	For filing a request for reexamination	0.00	112 920*	112 920*	Requesting publication of SIR prior to Examiner action	0.00	113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	0.00	115 110	215 55	Extension for reply within first month	0.00	116 380	216 190	Extension for reply within second month	0.00	117 870	217 435	Extension for reply within third month	0.00	118 1,360	218 680	Extension for reply within fourth month	0.00	128 1,850	228 925	Extension for reply within fifth month	0.00	119 300	219 150	Notice of Appeal	0.00	120 300	220 150	Filing a brief in support of an appeal	0.00	121 260	221 130	Request for oral hearing	0.00	138 1,510	138 1,510	Petition to institute a public use proceeding	0.00	140 110	240 55	Petition to revive - unavoidable	0.00	141 1,210	241 605	Petition to revive - unintentional	0.00	142 1,210	242 605	Utility issue fee (or reissue)	0.00	143 430	243 215	Design issue fee	0.00	144 580	244 290	Plant issue fee	0.00	122 130	122 130	Petitions to the Commissioner	0.00	123 50	123 50	Petitions related to provisional applications	0.00	126 240	126 240	Submission of Information Disclosure Stmt	0.00	581 40	581 40	Recording each patent assignment per property (times number of properties)	0.00	146 760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))	0.00	149 760	249 380	For each additional invention to be examined (37 CFR 1.129(b))	0.00	Other fee (specify) _____			0.00	Other fee (specify) _____			0.00	SUBTOTAL (3)			(\$) 0.00
Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid																																																																																																																																																																														
101 760	201 380	Utility filing fee	345.00																																																																																																																																																																														
106 310	206 155	Design filing fee																																																																																																																																																																															
107 480	207 240	Plant filing fee																																																																																																																																																																															
108 760	208 380	Reissue filing fee																																																																																																																																																																															
114 150	214 75	Provisional filing fee																																																																																																																																																																															
SUBTOTAL (1)			(\$) 345.00																																																																																																																																																																														
Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid																																																																																																																																																																														
103 18	203 9	Claims in excess of 20																																																																																																																																																																															
102 78	202 39	Independent claims in excess of 3																																																																																																																																																																															
104 260	204 130	Multiple dependent claim, if not paid																																																																																																																																																																															
109 78	209 39	** Reissue independent claims over original patent																																																																																																																																																																															
110 18	210 9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																															
SUBTOTAL (2)			(\$) 219.00																																																																																																																																																																														
Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid																																																																																																																																																																														
105 130	205 65	Surcharge - late filing fee or oath	0.00																																																																																																																																																																														
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	0.00																																																																																																																																																																														
139 130	139 130	Non-English specification	0.00																																																																																																																																																																														
147 2,520	147 2,520	For filing a request for reexamination	0.00																																																																																																																																																																														
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	0.00																																																																																																																																																																														
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	0.00																																																																																																																																																																														
115 110	215 55	Extension for reply within first month	0.00																																																																																																																																																																														
116 380	216 190	Extension for reply within second month	0.00																																																																																																																																																																														
117 870	217 435	Extension for reply within third month	0.00																																																																																																																																																																														
118 1,360	218 680	Extension for reply within fourth month	0.00																																																																																																																																																																														
128 1,850	228 925	Extension for reply within fifth month	0.00																																																																																																																																																																														
119 300	219 150	Notice of Appeal	0.00																																																																																																																																																																														
120 300	220 150	Filing a brief in support of an appeal	0.00																																																																																																																																																																														
121 260	221 130	Request for oral hearing	0.00																																																																																																																																																																														
138 1,510	138 1,510	Petition to institute a public use proceeding	0.00																																																																																																																																																																														
140 110	240 55	Petition to revive - unavoidable	0.00																																																																																																																																																																														
141 1,210	241 605	Petition to revive - unintentional	0.00																																																																																																																																																																														
142 1,210	242 605	Utility issue fee (or reissue)	0.00																																																																																																																																																																														
143 430	243 215	Design issue fee	0.00																																																																																																																																																																														
144 580	244 290	Plant issue fee	0.00																																																																																																																																																																														
122 130	122 130	Petitions to the Commissioner	0.00																																																																																																																																																																														
123 50	123 50	Petitions related to provisional applications	0.00																																																																																																																																																																														
126 240	126 240	Submission of Information Disclosure Stmt	0.00																																																																																																																																																																														
581 40	581 40	Recording each patent assignment per property (times number of properties)	0.00																																																																																																																																																																														
146 760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))	0.00																																																																																																																																																																														
149 760	249 380	For each additional invention to be examined (37 CFR 1.129(b))	0.00																																																																																																																																																																														
Other fee (specify) _____			0.00																																																																																																																																																																														
Other fee (specify) _____			0.00																																																																																																																																																																														
SUBTOTAL (3)			(\$) 0.00																																																																																																																																																																														

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Joseph G. Curatolo	Reg. Number	28,837
Signature		Date	4-28-2000
		Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EL493656897US